



Clean Michigan Initiative
Nonpoint Source Grant
 Michigan's
 Nonpoint Source 1999-0043
 Program



Branch Conservation District
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Sprong Lake Inlet

September 11th 2000 - November 30th 2004

The 3,260 acre Sprong Lake watershed is a sub-watershed of Swan Creek Watershed, a tributary of the St. Joseph River in Branch County. Land use in the watershed is 73% agricultural, 18% forestland, 5% wetlands, and 4% other. The Sprong Lake Inlet has shown severe signs of stream bank erosion in the last 15 years, with approximately 400 tons of soil lost annually. The goal of this project was to decrease sediment and phosphorous inputs causing a decrease in game fish populations and recreational opportunity. The project resulted in the implementation of seed and mulch on the upper bank slopes, bank shaping to stabilize side slopes, rock riprap, geotextile placement, for a total of 2,378 feet of stream bank stabilized.



Grant Amount: \$ 72,663
Match Funds: \$ 109,126

Total Amount: \$ 181,789



Best Management Practices:

- 4 Stream Bank Stabilized
 - Shaping, Geotextile
 - Rock Riprap, Seeding
- Critical Area Treatment (seed and mulch upper bank slopes) Bank Shaping to stabilize side slopes, rock riprap and geotextile placement. Total: 2,378 Ft.



Annual Load Reductions:

- 424 tons of sediment reduced annually
- 4242 lbs. of phosphorus reduced annually
- 848 lbs. of nitrogen reduced annually

Partners involved:

- Bethel Township
- Branch County Drain Commission
- USDA-National Resource Conservation Service
- Sprong Lake Sub-Division
- Potawatomi RC & D

I&E Activities:

- Site visit with (Stats class) students from Quincy and Coldwater Schools to view and discuss water quality problems and solutions
- Articles in local newspaper (Coldwater Reporter)
- Project update at monthly Conservation District board Meetings
- Project update discussed at Bethel Township meeting

